

Title (en)

INFORMATION PROCESSING DEVICE, IMAGE PRINTING APPARATUS, AND INFORMATION PROCESSING METHOD

Title (de)

INFORMATIONSVERRARBEITUNGSVORRICHTUNG, BILDDRUCKVORRICHTUNG UND INFORMATIONSVERRARBEITUNGSVERFAHREN

Title (fr)

DISPOSITIF DE TRAITEMENT D'INFORMATIONS, DISPOSITIF DE FORMATION D'IMAGE ET PROCÉDÉ DE TRAITEMENT D'INFORMATIONS

Publication

EP 3231611 B1 20220209 (EN)

Application

EP 15866500 A 20151111

Priority

- JP 2014247973 A 20141208
- JP 2015081700 W 20151111

Abstract (en)

[origin: EP3231611A1] Provided are an information processing device, an image printing apparatus and an information processing method with which it is possible to detect print head misregistration easily and with high precision. On the basis of imaging data for a test image comprising multiple first lines and multiple second lines respectively printed by first and second printing means, the information processing device specifies the relative positional relationship between first and second coordinate axes from the corresponding relationship between: first line printing coordinates on the first coordinate axis for which a first unit coordinate interval has been prescribed and second line printing coordinates, for which a second unit coordinate interval has been prescribed and which relate to the second coordinate axis for which a reference position, when the first printing means and the second printing means are disposed in a specified positional relationship, assumes a prescribed relative reference position relationship to a reference position of the first coordinate axis; and the first and second line printing positions in the imaging data. On the basis of said relative positional relationship and the prescribed relative reference position relationship, the information processing device calculates a value corresponding to the magnitude of misregistration of the second printing means from the specified positional relationship with respect to the first printing means.

IPC 8 full level

B41J 2/01 (2006.01); **B41J 2/045** (2006.01); **B41J 2/155** (2006.01); **B41J 2/21** (2006.01); **B41J 29/393** (2006.01); **B41J 29/46** (2006.01); **H04N 1/401** (2006.01); **H04N 1/60** (2006.01)

CPC (source: EP US)

B41J 2/04505 (2013.01 - EP US); **B41J 2/04573** (2013.01 - US); **B41J 2/04581** (2013.01 - EP US); **B41J 2/155** (2013.01 - EP US); **B41J 2/2132** (2013.01 - EP US); **B41J 19/145** (2013.01 - US); **H04N 1/4015** (2013.01 - EP); **H04N 1/6033** (2013.01 - US); **H04N 1/6038** (2013.01 - US); **H04N 1/6044** (2013.01 - US); **B41J 2/2135** (2013.01 - US); **B41J 2029/3935** (2013.01 - EP US); **G03G 2215/00561** (2013.01 - US); **G03G 2215/00599** (2013.01 - US)

Citation (examination)

JP 2004286684 A 20041014 - KONICA MINOLTA HOLDINGS INC

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3231611 A1 20171018; **EP 3231611 A4 20180801**; **EP 3231611 B1 20220209**; CN 107000430 A 20170801; CN 107000430 B 20190528; JP 6536590 B2 20190703; JP WO2016093008 A1 20170914; US 2017334192 A1 20171123; US 9950515 B2 20180424; WO 2016093008 A1 20160616

DOCDB simple family (application)

EP 15866500 A 20151111; CN 201580065586 A 20151111; JP 2015081700 W 20151111; JP 2016563577 A 20151111; US 201515527385 A 20151111